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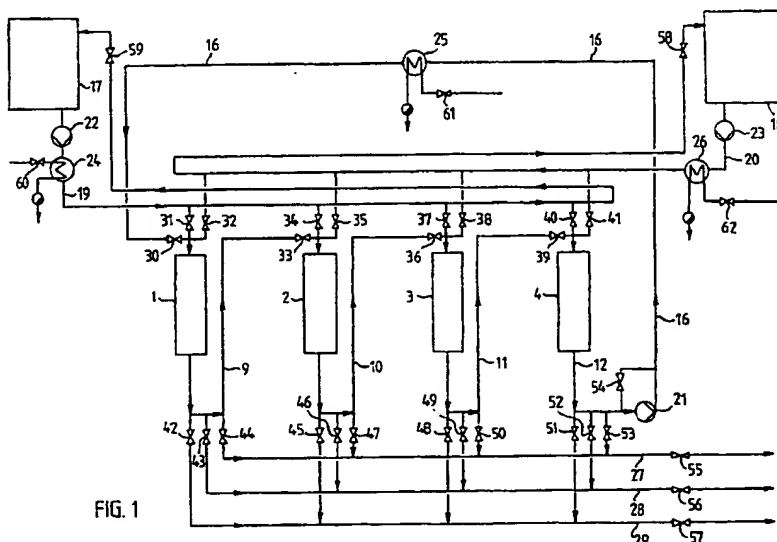
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03.04.91 Bulletin 91/14(71) Applicant: **Cultor Ltd.**
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W-4300 Essen 1 (DE)(54) **Method for the recovery of betaine from molasses.**

(57) A method is provided wherein betaine is separated eluted from beet molasses using a chromatographic simulated moving bed system having at least three chromatographic columns connected in series. The betaine is eluted during the same cycle as sucrose and rest molasses as a third fraction. The

method comprises a molasses feeding and substantially simultaneous water feeding step, at least one water feeding step, a circulation step, and elution of sucrose, betaine and rest molasses fractions from selected columns.

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EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|--|--|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| A | DE-A-2 362 211 (SÜDDEUTSCHE ZUCKER) * claims ; figure 2 * - - - | 1-16 | C 13 J 1/06 C 07 C 101/00 C 07 C 99/00 |
| A,D,D | EP-A-0 010 769 (MITSUBISHI CHEMICAL INDUSTRIES) * claims ; figures & US-A-4332623 & US-A-4405455 * - - - | 1-16 | |
| D,A | US-A-4 426 232 (R.W.NEUZIL ET AL.) * column 8, lines 57 - 63; claims ; figure 1 * - - - | 1-16 | |
| D,A | US-A-4 359 430 (H.O.HEIKKILÄ ET AL.) * claims ; figure 1 * - - - | 1-16 | |
| D,A | US-A-4 519 845 (DI-YI OU) * claims * - - - - - | 1-16 | |
| The present search report has been drawn up for all claims | | | TECHNICAL FIELDS SEARCHED (Int. Cl.5) C 13 J C 13 D C 07 C B 01 D |
| Place of search The Hague | | Date of completion of search 08 February 91 | Examiner VAN MOER A.M.J. |
| <div>CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention</div> <div>E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &: member of the same patent family, corresponding document</div> | | | |